Craig T Stoppiello

List of Publications by Year
in descending order

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Version: 2024-02-01

27 papers	573 citations	623734 14 h-index	677142 22 g-index
30 all docs	30 docs citations	30 times ranked	861 citing authors

#	Article	IF	Citations
1	An Expanded 2D Fused Aromatic Network with 90â€Ring Hexagons. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
2	Magnetic nanoribbons with embedded cobalt grown inside single-walled carbon nanotubes. Nanoscale, 2022, 14, 1978-1989.	5.6	4
3	Defect Etching in Carbon Nanotube Walls for Porous Carbon Nanoreactors: Implications for CO₂ Sorption and the Hydrosilylation of Phenylacetylene. ACS Applied Nano Materials, 2022, 5, 2075-2086.	5.0	4
4	Understanding charge transport in wavy 2D covalent organic frameworks. Nanoscale, 2021, 13, 6829-6833.	5.6	14
5	Graphene nanoribbons with incorporated Co atoms: Optical spectrum and magnetic response. AIP Conference Proceedings, 2021, , .	0.4	0
6	Ï€â€Interpenetrated 3D Covalent Organic Frameworks from Distorted Polycyclic Aromatic Hydrocarbons. Angewandte Chemie, 2021, 133, 10029-10034.	2.0	9
7	Ï€â€Interpenetrated 3D Covalent Organic Frameworks from Distorted Polycyclic Aromatic Hydrocarbons. Angewandte Chemie - International Edition, 2021, 60, 9941-9946.	13.8	65
8	Bond Dissociation and Reactivity of HF and H₂O in a Nano Test Tube. ACS Nano, 2020, 14, 11178-11189.	14.6	17
9	Atomic mechanism of metal crystal nucleus formation in a single-walled carbon nanotube. Nature Chemistry, 2020, 12, 921-928.	13.6	58
10	Direct Imaging of Atomic Permeation Through a Vacancy Defect in the Carbon Lattice. Angewandte Chemie, 2020, 132, 23122-23127.	2.0	0
11	Direct Imaging of Atomic Permeation Through a Vacancy Defect in the Carbon Lattice. Angewandte Chemie - International Edition, 2020, 59, 22922-22927.	13.8	3
12	Innentitelbild: Direct Imaging of Atomic Permeation Through a Vacancy Defect in the Carbon Lattice (Angew. Chem. 51/2020). Angewandte Chemie, 2020, 132, 22994-22994.	2.0	0
13	Imaging an unsupported metalâ€“metal bond in dirhenium molecules at the atomic scale. Science Advances, 2020, 6, eaay5849.	10.3	30
14	Direct Synthesis of Multiplexed Metalâ€Nanowireâ€Based Devices by Using Carbon Nanotubes as Vector Templates. Angewandte Chemie, 2019, 131, 10033-10037.	2.0	4
15	Hostâ€“Guest Hybrid Redox Materials Selfâ€Assembled from Polyoxometalates and Singleâ€Walled Carbon Nanotubes. Advanced Materials, 2019, 31, e1904182.	21.0	77
16	A Wavy Two-Dimensional Covalent Organic Framework from Core-Twisted Polycyclic Aromatic Hydrocarbons. Journal of the American Chemical Society, 2019, 141, 14403-14410.	13.7	63
17	Three dimensional nanoscale analysis reveals aperiodic mesopores in a covalent organic framework and conjugated microporous polymer. Nanoscale, 2019, 11, 2848-2854.	5.6	17
18	Direct Synthesis of Multiplexed Metalâ€Nanowireâ€Based Devices by Using Carbon Nanotubes as Vector Templates. Angewandte Chemie - International Edition, 2019, 58, 9928-9932.	13.8	10

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19	Encapsulation of Cadmium Selenide Nanocrystals in Biocompatible Nanotubes: DFT Calculations, Xâ€ray Diffraction Investigations, and Confocal Fluorescence Imaging. ChemistryOpen, 2018, 7, 144-158.	1.9	15
20	Comparison of atomic scale dynamics for the middle and late transition metal nanocatalysts. Nature Communications, 2018, 9, 3382.	12.8	35
21	Comparison of alkene hydrogenation in carbon nanoreactors of different diameters: probing the effects of nanoscale confinement on ruthenium nanoparticle catalysis. Journal of Materials Chemistry A, 2017, 5, 21467-21477.	10.3	17
22	A one-pot-one-reactant synthesis of platinum compounds at the nanoscale. Nanoscale, 2017, 9, 14385-14394.	5.6	22
23	Growth of Carbon Nanotubes inside Boron Nitride Nanotubes by Coalescence of Fullerenes: Toward the World's Smallest Coaxial Cable. Small Methods, 2017, 1, 1700184.	8.6	16
24	Chemical reactions at the graphitic step-edge: changes in product distribution of catalytic reactions as a tool to explore the environment within carbon nanoreactors. Nanoscale, 2016, 8, 11727-11737.	5.6	7
25	Carbon Nanotubes as Electrically Active Nanoreactors for Multi-Step Inorganic Synthesis: Sequential Transformations of Molecules to Nanoclusters and Nanoclusters to Nanoribbons. Journal of the American Chemical Society, 2016, 138, 8175-8183.	13.7	68
26	Synthesis of ultrathin rhenium disulfide nanoribbons using nano test tubes. Nano Research, 0, , 1.	10.4	4
27	An Expanded 2D Fused Aromatic Network with 90â€Ring Hexagons. Angewandte Chemie, 0, , .	2.0	0